

29 May 1963

SUBJECT : In Flight Dummy Ejection Seat Tests

	<u>Speed</u>	<u>Attitude</u>	<u>Dummy Seat Separation Delay</u>
Test #1	.9 Mach	20 H ft.	4 seconds
Test #2 *	1.44 Mach	50 H ft.	1 second
Test #3 **	1.82 Mach	46 H ft.	4 seconds
Test #4	.95 Mach	Max of a/c	4 seconds

3. If seat instability problems occur during the four second period between ejection and seat separation of the dummy, it is the opinion of the undersigned that some seat stability device will have to be provided by Lockheed. Present seat design does not insure seat stability after rocket burn out which occurs at three tenths of a second after leaving the ejection seat rails.

* The one second delay simulates ejecting at 69 M ft. at Mach 3.2

2. The full pressure suit will be worn by the dummy

SIGNED

SECRET

25X1

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